

VOLUME 55 • CONTENTS

No 1 JANUARY 1996

Leader

1 Tendon lessons and soft tissue rheumatism—great outback or great opportunity? *T E Cawston, GP Riley, B L Hazleman*

Now and Then

4 The language of rheumatology. I: Nomenclature and coding *D Symmons, S Sant*

Review

7 Nitric oxide *A J Farrell, D R Blake*

Lesson of the month

21 Not all stoops are due to osteoporosis *M R Ehrenstein, T Stoll, J C W Edwards*

Notes/News

24 Forthcoming events

Extended reports

25 Association of hand and knee osteoarthritis: evidence for a polyarticular disease subset *R Hirsch, M Lethbridge-Cejku, W W Scott Jr, R Reichle, C C Plato, J Tobin, M C Hochberg*

30 Analysis of the association between chondrocalcinosis and osteoarthritis: a community based study *R Sanmarti, E Kanterewicz, M Pladevall, D Pañella, J B Tarradellas, J M Gomez*

34 Associations of HLA-DRB and -DQB genes with two and five year outcome in rheumatoid arthritis *K Eberhardt, E Fex, U Johnson, F A Wollheim*

40 Cellular immunity to cartilage aggrecan core protein in patients with rheumatoid arthritis and non-arthritis controls *N J Goodstone, M C Doran, R N Hobbs, R C Butler, J J Dixey, B A Ashton*

47 Synovial fluid and serum concentrations of aminoterminal propeptide of type III procollagen in healthy volunteers and patients with joint disease *M Sharif, E George, P A Dieppe*

52 Computer based quantitative analysis of capillary abnormalities in systematic sclerosis and its relation to plasma concentration of von Willebrand factor *A Scheja, A Åkesson, I Niewierowicz, L Wallin, M Wildt, F A Wollheim*

57 Increased release of von Willebrand factor antigen from endothelial cells by anti-DNA autoantibodies *K N Lai, J C K Leung, K B Lai, F M Lai, K C Wong*

Concise reports

63 Effect of HLA type and hypocomplementaemia on the expression of parvovirus arthritis: one year follow up of an outbreak *N S T Gendi, K Gibson, B P Wordsworth*

66 Relationship between genotype for the cytochrome P450 CY2D6 and susceptibility to ankylosing spondylitis and rheumatoid arthritis *C Beyeler, M Armstrong, H A Bird, J R Idle, A K Daly*

69 Expression of rheumatoid arthritis in two ethnic Jewish Israeli groups *M Amit, D Guedj, A J Wysenbeek*

73 Redundancy of conventional articular response variables used in juvenile chronic arthritis clinical trials *N Ruperto, E H Giannini*

Matters arising

76 Commented glossary for rheumatic spinal diseases *J Braun, J Sieper, B M Rothschild, W W Dihlmann, L Hering, R J François*

78 Destructive large joint arthritis *A J Richards, M Regan*

No 2 FEBRUARY 1996

Leader

79 Tendicap: not just another NSAID? *J M G Carvin, R Madhok*

Now and Then

83 The language of rheumatology. II: Classification and grouping *D Symmons*

Notes/News

87 Forthcoming events

Books review

88 A field guide to joint disease in archaeology

Extended reports

89 Occurrence of rheumatoid arthritis is not increased in the first degree relatives of a population based inception cohort of inflammatory polyarthritis *M A Jones, A J Silman, S Whiting, E M Barrett, D P M Symmons*

94 Oral contraception, parity, breast feeding, and severity of rheumatoid arthritis *C Jorgensen, M C Picot, C Bologna, J Sany*

99 Cervical spine surgery in patients with rheumatoid arthritis: an appraisal *E R McCorie, P McLoughlin, T Russell, I Beggs, G Nuki, N P Hurst*

105 Spiking of the tibial tubercles—a radiological feature of osteoarthritis? *S Donnelly, D J Hart, D V Voyle, T D Spector*

109 Prevalence and possible pathological significance of calcium phosphate salt accumulation in tendon matrix degeneration *G P Riley, R L Harrall, C R Constant, T E Cawston, B L Hazleman*

116 Assessment of the European classification criteria for Sjögren's syndrome in a series of clinically defined cases: results of a prospective multicentre study *C Vitali and the European Study Group on Diagnostic Criteria for Sjögren's Syndrome*

122 Von Willebrand factor, thrombomodulin, thromboxane, β -thromboglobulin and markers of fibrinolysis in primary Raynaud's phenomenon and systemic sclerosis *A L Herrick, K Illingworth, A Blann, C R M Hay, S Hollis, M I V Jayson*

128 Neutrophil adhesion to endothelial cells and factors affecting adhesion in patients with Behcet's disease
S Sahin, T Akoglu, H Direskeneli, L S Sen, R Lawrence

Concise reports

134 Choosing the best method for radiological assessment of patellofemoral osteoarthritis *F M Cicuttini, J Baker, D J Hart, T D Spector*

137 Calcification of the transverse ligament of the atlas in chondrocalcinosis: computed tomography study *A Constantin, F Marin, E Bon, M Fedele, B Largarrigue, G Bouteiller*

140 Prediction of fractures in perimenopausal women: a comparison of dual energy x ray absorptiometry and broadband ultrasound attenuation *A Stewart, D J Torgerson, D M Reid*

143 Changes in bone mass during low dose corticosteroid treatment in patients with polymyalgia rheumatica: a double blind, prospective comparison between prednisolone and deflazacort *M R Krogsgaard, G Thamsborg, B Lund*

Letters to the editor

147 Increased type I Collagen degradation is associated with a need for total joint replacement surgery in rheumatoid arthritis *S Aman, M Hakala, L Risteli, J Risteli*

147 Polymyalgic presentation of the enterovirus infection: a cause of diagnostic confusion *R J Stevens, R A Hughes*

No 3 MARCH 1996

Leader

149 Haemopoietic stem and progenitor cells in the treatment of severe autoimmune diseases *A Tyndall, A Gratwohl*

Lesson of the month

152 Chest pain in patients with rheumatoid arthritis *J C Martin, J Harvey, J Dixey*

Notes/News

154 Forthcoming events

Book reviews

155 Priorities in health care: ethics, economy, implementation • Self-assessment picture tests in rheumatology

Extended reports

157 Diagnostic and prognostic characteristics of the enzyme linked immunosorbent rheumatoid factor assays in rheumatoid arthritis *H Visser, L B S Gelinck, A H Kampfstraath, F C Breedveld, J M W W Hazes*

162 Course and characteristics of anaemia in patients with rheumatoid arthritis of recent arthritis onset *H R M Peeters, M Jongen-Lavencie, A N Raja, H S Ramdin, G Vreugdenhil, F C Breedveld, A J G Swaak*

169 A 10 year follow up of parenteral gold therapy in patients with rheumatoid arthritis *G Bendix, A Bjelle*

177 Osteoarticular manifestations of pustulosis palmaris et plantaris and of psoriasis: two distinct entities *O Mejad, A Daragon, J P Louvel, L F Da Silva, E Thomine, P Lauret, X LE Loët*

181 Effects of transforming growth factor β s and basic fibroblast growth factor on articular chondrocytes obtained from immobilised rabbit knees *R Okazaki, A Sakai, T Nakamura, N Kunugita, T Norimura, K Suzuki*

Concise reports

187 Retinal toxicity in long term hydroxychloroquine treatment *M Mavrikakis, S Papazoglou, P P Sfikakis, G Vaiopoulos, K Rougas*

190 Factors associated with the development of vasculitis in rheumatoid arthritis: results of a case-control study *A E Voskuly, A H Zwinderman, M L Westerdijk, J P Vandenbroucke, F C Breedveld, J M W W Hazes*

193 High prevalence of arthropathy in HTLV-I carriers on a Japanese island *S Motokawa, T Hasunuma, K Tajima, A M Krieg, S Ito, K Iwasaki, K Nishioka*

196 Lateral bone density bone measurements in osteoarthritis of the lumbar spine *D J Peacock, P Egger, P Taylor, M I D Cawley, C Cooper*

199 Intra-articular guanethidine injection for resistant shoulder pain: a preliminary double blind study of a novel approach *K Gado, P Emery*

202 Salivary eicosanoid concentration in patients with Sjögren's syndrome *M Tishler, I Yaron, A Raz, F A Meyer, M Yaron*

205 Antimyeloperoxidase antibodies in individuals with occupational exposure to silica *I Wichmann, J Sanchez-Roman, J Morales, M J Castillo, C Ocaña, A Nuñez-Roldan*

208 Gastrointestinal involvement in Behcet's syndrome: a controlled study *S Yurdakul, N Tütünler, J Yurdakul, V Hamuryudan, H Yazici*

No 4 APRIL 1996

Leader

211 A unifying hypothesis for the mechanism of NSAID related gastrointestinal toxicity *T Mahmud, D L Scott, I Bjarnason*

Lesson of the month

214 Post-traumatic leg ulcer *M R Holbrook, M Doherty, R J Powell*

Notes/News

216 Forthcoming events

Books reviews

217 L'Actualité Rhumatologique 1995 • Practical rheumatology

Extended reports

218 Can methotrexate be used as a steroid sparing agent in the treatment of polymyalgia rheumatica and giant cell arteritis? *M J van der Veen, H J Dinant, C van Booma-Frankfort, G A van Albada-Kuipers, J W J Bijlsma*

224 Incidence of ovarian failure in systemic lupus erythematosus after treatment with pulse cyclophosphamide *E M McDermott, R J Powell*

230 Plasminogen activators and their inhibitors in synovial fluids from normal, osteoarthritis, and rheumatoid arthritis knees *C Belcher, F Fawthrop, R Bunning, M Doherty*

237 Divergent effects of methotrexate on the clonal growth of T and B lymphocytes and synovial and adherent cells from patients with rheumatoid arthritis *A Nakajima, M Hakoda, H Yamanaka, N Kamatani, S Kashiwazaki*

243 Serum p55 and p75 tumour necrosis factor receptors as markers of disease activity in juvenile chronic arthritis *M Gattorno, P Picco, A Buoncompagni, F Stalla, P Facchetti, M P Sormani, V Pistoia*

248 Impaired activity of protease inhibitors towards neutrophil elastase bound to human articular cartilage *K Kawabata, A R Moore, D A Willoughby*

253 Decreased birefringence of the superficial zone collagen network in the canine knee (stifle) articular cartilage after long distance running training, detected by quantitative polarised light microscopy *J P A Arokoski, M M Hyttinen, T Lapveteläinen, P Takács, B Kosztáczky, L Módus, V Kovanen, H J Helminen*

Concise reports

265 How effective is therapeutic ultrasound in the treatment of heel pain? *F Crawford, M Snaith*

268 HLA class I associations of ankylosing spondylitis in the white population in the United Kingdom *M A Brown, K D Pile, L G Kennedy, A Calin, C Darke, J Bell, B P Wordsworth, F Cornelis*

Matters arising

271 Should the MHAQ ever be used? *M A Belmonte Serrano, J B Fabregat, G Stucki, S Stucki, P Brühlmann, B A Michel*

272 Epidemiology of adult Still's disease *C A Dunne, J Davies, G Magadur-Joly*

Letter to the editor

272 Racial variation in rheumatoid arthritis *W W H James*

Correction

272 Association of hand and knee osteoarthritis: evidence for a polyarticular disease subset *R Hirsch et al*

No 5 MAY 1996

Leader

273 Methotrexate and liver toxicity: role of surveillance liver biopsy *W W Hassan*

275 Probes with pain—is the messenger to blame? *B L Kidd*

Review: Pain

276 Pathophysiology of joint pain *B L Kidd, V H Morris, L Urban*

Lesson of the month

284 The diagnostic challenge of acute polyarthritis *I A Wamuo, P I Pitt*

Notes/News

286 Forthcoming events

Book Review

287 Stress proteins in medicine

Extended reports

288 Changes in (markers of) bone metabolism during high dose corticosteroid pulse treatment in patients with rheumatoid arthritis *W W F Lems, M I Gerrits, J W W G Jacobs, R M van Vugt, H J M van Rijn, J W J Bijlsma*

294 Signalling through neutrophil FcγRIII, and CD59 is not impaired in active rheumatoid arthritis *J Jones, I Laffafian, T Lawson, B D Williams, B P Morgan*

298 Constitutive expression of c-fos and c-jun, overexpression of ets-2, and reduced expression of metastasis suppressor gene nm23-H1 in rheumatoid arthritis *S Dooley, I Herlitzka, R Hanselmann, A Ermis, W Henn, K Remberger, T Hopf, C Welter*

305 Intravital microscopy and capillaroscopically guided nail fold biopsy in scleroderma *A F G von Bierbrauer, H D Mennel, J A Schmidt, P von Wichter*

311 B cell clonality in gastric lymphoid tissues of patients with Sjögren's syndrome *G F Ferraccioli, D Sorrentino, S De Vita, L Casatta, A Labombarda, C Avellini, R Docetti, D Di Luca, C A Beltrami, M Boiocchi, E Bartoli*

Concise reports

317 Association of two locion chromosome 2q with nodal osteoarthritis *G D Wright, A E Hughes, M Regan, M Doherty*

320 Interobserver reliability in measuring flexion, internal rotation, and external rotation of the hip using a pluriometer *P R Croft, E S Nahit, G J Macfarlane, A J Silman*

324 Concentrations of pyridinoline and deoxypyridinoline in joint tissues from patients with osteoarthritis or rheumatoid arthritis *M Takahashi, Khushida, H Hoshino, M Suzuki, M Sano, S Miyamoto, T Inoue*

328 Low dose desensitisation does not reduce the toxicity of sulphasalazine in rheumatoid arthritis *I B McInnes, D Porter, E A Murphy, E A Thomson, R Madhok, J A Hunter, T Pullar, H A Capell*

Matters arising

331 Bone mineral density and bone turnover in spinal osteoarthritis *J Dequeker, J-M Mbuyi-Muamba*

Letters to the editor

331 Effect of isradipine on endothelin-1 plasma concentrations in patients with Raynaud's phenomenon *L La Civita, D Giuggioli, M G Del Chicca, G Longombardo, G Pasero, C Ferri*

332 Survival after aortic dissection in giant cell arteritis *M P Richardson, A M L Lever, A M Fink, A K Dixon, B L Hazleman*

333 Antibodies to collagens in sera from patients receiving bovine cartilage grafts *M Sittinger, R Jerez, G R Burmester, T Kraft, W Spiizer*

Leaders

335 Evolution of osteoporosis *D W Purdie*

338 Clinical usefulness of risk factors for osteoporosis *S A Earnshaw, D J Hosking*

Review: Pain

340 Psychological aspects of pain *R G Large*

Case studies in diagnostic imaging

346 Multiple painful bone cysts in a young man *F J Ballina-Garcia, M R Queiro-Silva, R Molina-Suaréz, J Fernández-Martínez, M Rivela-Vázquez, A Rodríguez-Pérez*

Lesson of the month

350 One patient, two unusual conditions and three basic lessons *J M M Gardner-Medwin, R J Powell*

Acknowledgments

353 To assessors in 1995

Notes/News

354 Editor's report •Forthcoming events

Extended reports

356 Radiological progression of hip osteoarthritis: definition, risk factors and correlations with clinical status *M Dougados, A Gueguen, M Nguyen, L Berdah, M Lequesne, B Mazieres, E Vignon*

363 Role of enteric bacteria in the pathogenesis of rheumatoid arthritis: evidence for antibodies to enterobacterial common antigens in rheumatoid sera and synovial fluids *S Aoki, K Yokoyami, T Nonogaki, S Iwasaki, T Mitsui, S Niwa*

370 Investigation of anal function in patients with systematic sclerosis *A L Herrick, J D Barlow, A Bowden, N Williams, A R Hobson, M Irving, M I V Jayson*

375 Interleukin-4 inhibits prostaglandin E₂ production by freshly prepared adherent rheumatoid synovial cells via inhibition of biosynthesis and gene expression of cyclo-oxygenase II but not of cyclo-oxygenase I *E Sugiyama, H Taki, A Kuroda, T Mino, N Yamashita, M Kobayashi*

383 Protection against peroxynitrite dependent tyrosine nitration and α_1 -antiproteinase inactivation by some anti-inflammatory drugs and by the antibiotic tetracycline *M Whiteman, H Kaur, B Halliwell*

388 Arthroplasty implant biomaterial particle associated macrophages differentiate into lacunar bone absorbing cells *R Pandey, J Quinn, C Joyner, D W Murray, J T Triffit, N A Athanasou*

Concise reports

396 Carpal tunnel syndrome: evaluation of a new method of assessing median nerve conduction at the wrist *C A Dunne, P W Thompson, J Cole, J Dunning, C N Martyn, D Coggon, C Cooper*

399 Antiubiquitin antibody in localised and systematic scleroderma *M Fujimoto, S Sato, H Ihn, K Kikuchi, T Tamaki, K Takehara*

Letters to the editor

403 What is meant by 'rheumatoid'? *R Lagier*

403 Interleukin-6 in clinical relapses of polymyalgia rheumatica and giant cells arteritis *D Caplanne, J-M Le Parc, J-A Alexandre*

404 Role of androgens in the aetiology of rheumatoid arthritis *P Brennan, A Silman*

Leader

405 MRI and arthroscopic surgery: a combined breakthrough in management of shoulder pain *L Turner-Stokes*

Viewpoint

407 Should patients with recent onset rheumatoid arthritis be offered genetic screening? *D P M Symmons, W E R Ollier, P Brennan, A J Silman*

Review: Pain

411 Cerebral mechanisms operating in the presence and absence of inflammatory pain *A K P Jones, S W G Derbyshire*

Lesson of the month

421 Systematic lupus erythematosus: an occasional misdiagnosis *D A Collins, B E Bourke*

Notes/News

423 Forthcoming events

Extended reports

424 Intra-articular hyaluronan injections in the treatment of osteoarthritis of the knee: a randomised, double blind, placebo controlled multicentre trial *L S Lohmander, N Dalén, G Englund, M Hämäläinen, E M Jensen, K Karlsson, M Odénsten, L Ryd, I Sernbo, O Suomalainen, A Tegnander, for the Hyaluronan Multicentre Trial Group*

432 Association between synovial fluid levels of inorganic pyrophosphate and short term radiographic outcome of knee osteoarthritis *M Doherty, C Belcher, M Regan, A Jones, J Ledingham*

437 Increased serum and synovial fluid antibodies to immunoselected peptides in patients with rheumatoid arthritis *A Dybwad, Ø Ferre, M Sioud*

442 Localisation of apoptosis and expression of apoptosis related proteins in the synovium of patients with rheumatoid arthritis *M Sugiyama, T Tsukazaki, A Yonekura, S Matsuzaki, S Yamashita, K Iwasaki*

450 Cardiac manifestations in primary Sjögren's syndrome *M Gyöngyösi, G Pokorny, Z Jambrik, L Kovács, A Kovács, É Makula, M Csanády*

455 Diastolic abnormalities in systematic sclerosis: evidence for associated defective cardiac functional reserve *G Valentini, D F Vitale, A Giunta, S Maione, G Gerundo, M Arnese, E Tirri, N Pelaggi, A Giacummo, G Tirri, M Condorelli*

461 Arterial wall thickness measurements by B mode ultrasonography in patients with Takayasu's arteritis *R O Raninen, M M Kupari, M S Pamilo, R I Pajari, V-P Poutanen, P E Hekali*

466 Proteoglycans in articular cartilage revealed with a quick freezing and deep etching method *H Toriumi, H Nakagawa, H Ueda, C-G Leng, Y Fujii, S Ohno*

Concise reports

475 Further evidence for genetic anticipation in familial rheumatoid arthritis *E McDermott, M A Khan, ARC UK National Repository, C Deighton*

478 urinary glucaric acid excretion in rheumatoid arthritis: influence of disease activity and disease modifying drugs *R Addyman, C Beyeler, C Astbury, H A Bird*

482 More pain, more tender points: is fibromyalgia just one end of a continuous spectrum? *P Croft, J Burt, J Schollum, E Thomas, G Macfarlane, A Silman*

486 Hydroxychloroquine and lupus pregnancy: review of a series of 36 cases *H M M Buchanan, E Toubi, M A Khamashia, F Lima, S Kerslake, G R V Hughes*

Matters arising

489 Associations of HLA-DRB and HLA-DRQ genes with two and five year outcomes in rheumatoid arthritis *D M Grennan, W Ollier, K Eberhardt*

Letter to editor

489 Rheumatoid arthritis preceding the onset of polyarticular tophaceous gout *A Zonana-Nacach, G Alarcón, W W Daniel*

Correction

490 Can methotrexate be used a steroid sparing agent in the treatment of polymyalgia rheumatica and giant cell arteritis? *van der Veen et al*

No 8 AUGUST 1996

Leaders

491 Clinical trials in osteoarthritis *L M March, P M Brooks*

494 The clinical utility of ANCA positivity *J D M Edger*

Review: Pain

497 Chronic pain syndromes *S Carette*

Lesson of the month

502 Chronic fatigue, arthralgia, and malaise *M M Gompels, G P Spickett*

Notes/News

504 Forthcoming events

Book reviews

505 Rheumatoid arthritis: current trends in diagnostics, conservative treatment, and surgical reconstruction

506 The molecular biology and pathology of elastic tissues

Extended reports

507 Quantitative nailfold capillaroscopy findings in a population with connective tissue disease and in normal healthy controls *Y Kabasakal, D M Elvins, E F J Ring, N J McHugh*

513 Neutral endopeptidase (EC 3.4.24.11) in labial salivary glands in healthy controls and in patient with Sjögren's syndrome *Y T Kontinen, J Törnwall, P Kemppinen, H Uusitalo, T Sorsa, M Hukkanen, J M Polak*

520 Determination of IgA- and IgM-rheumatoid factors in patients with rheumatoid arthritis with and without nephropathy *M Nakano, Mueno, S Nishi, S Suzuki, H Hasegawa, T Watanabe, T Kuroda, S Ito, M Arakawa*

525 Changes in cartilage proteoglycan aggrecan after intra-articular injection of interleukin-1 in rabbits: studies of synovial fluid and articular cartilage *C Lundberg, I Åsberg, M Ionescu, A Reiner, G Smedegård, A R Poole*

535 Arthritis in mice induced by a single immunisation with collagen *F Kato, M Nomura, K Nakamura*

Concise reports

540 Hypermobility associated with osteoarthritis of the thumb base: a clinical and radiological subset of hand osteoarthritis *H Jónsson, S Th Valyöttir, Ó Kjartansson, Å Brekkan*

544 Is immunogenetic susceptibility to neuropsychiatric systematic lupus erythematosus (SLE) different from non-neuropsychiatric SLE? *L M Silva, E A Donadi*

548 Eosinophils are a significant cellular component of rheumatoid synovium in patients with late stage disease: comparative distributions with mast cells and macrophages *L C Tetlow, D E Woolley*

Now and then

552 Recommendations for the registration of drugs used in the treatment of osteoarthritis *Group for the Respect of Ethics and Excellence in Science (GREES): osteoarthritis section*

Letters to the editor

558 Clinical significance of antibodies against oxidised low density lipoprotein in early RA *L Paimela, T Helve, M Leirisalo-Repo, O Vaarala, G Alftan, T Palosuo, K Aho*

559 Age of onset in successive generations of patients with spondyloarthropathy *R Hertzberger-Ten Cate, B A C Dijkmans*

559 Quinine-induced lupus-like syndrome and cardiolipin antibodies *D Rosa-Re, F Garcia, J Gadcon, J Angrill, R Cervera*

560 Scleroderma and the watermelon stomach *L D Carbone, K M McKown, R J St Hilaire, P J Dean, S B Kaplan, E L Cattau Jr*

561 Improvement of severe pulmonary hypertension in a patient with SLE *M Karmochkine, B Wechsler, P Godeau, F Brenot, J-L Jagot, G Simonneau*

562 Antibodies to ribosomal P proteins and hepatic damage in a patient with undifferentiated connective tissue disease *J C Torre, L Mozo, A Suárez, C Gutiérrez, E Ramos*

Correction

563 Can methotrexate be used as a steroid sparing agent in the treatment of polymyalgia rheumatica and giant cell arteritis? *van der Veen et al*
Third international
 564 Overview *G Kingsley, J Sieper*
Workshop on Reactive Arthritis
 571 Abstracts

No 9 SEPTEMBER 1996

Leader
 585 Epidemiology of peripheral joint osteoarthritis *M Doherty, P Lanyon*
Review: Pain
 588 Management strategies for chronic pain *D M Justins*
Lesson of the month
 597 Chronic flexor tenosynovitis: missed diagnosis for a decade *L Morris, A Stevens, M Doherty*
Case studies in diagnostic imaging
 600 Back pain in the older patient *E Baumgartner, L Heitmann, B Duvoisin, A K L So*
Hypothesis
 603 Increased capillary permeability in systemic sclerosis: help or hindrance? *W Grassi, P Core, C Cervini*
Notes/News
 607 Forthcoming events
Extended reports
 608 Incidence of rheumatoid arthritis in Finland during 1980-1990 *O Kaipainen-Seppänen, K Aho, H Isomäki, M Laakso*
 612 Parasympathetic dysfunction in rheumatoid arthritis patients with ocular dryness *P J Barendregt, G L van der Heijde, F C Breedveld, H M Markusse*
 616 Antibody deficiency associated with gold treatment: natural history and management in 22 patients *N Snowden, D M Dietch, L S Teh, R C Hilton, M R Haeney*
 622 Increased concentrations of bone sialoprotein in joint fluid after knee injury *L S Lohmander, T Saxne, D Heinegård*
 627 Restrictions of T cell receptor β chain repertoire in the peripheral blood of patients with systemic lupus erythematosus *M R Holbrook, P J Tighe, R J Powell*
 632 Cytokine production by endothelial cells infected with human T cell lymphotropic virus type I *H Takashima, K Eguchi, A Kawakami, Y Kawabe, K Migitu, M Sakai, T Origuchi, S Nagataki*
Concise reports
 638 Transplantation with allogenic bone marrow from a donor with systemic lupus erythematosus (SLE): successful outcome in the recipient and induction of an SLE flare in the donor *G Sturfelt, S Lenhoff, B Sallerfors, O Nived, L Truedsson, A G Sjöholm*
 642 Value of synovial fluid interleukin-1β determination in predicting the outcome of psoriatic monoarthritis *L Punzi, N Bertazzolo, M Pianon, E Rizzi, P Rossini, P Gambari*
 645 Grouped caging predisposes male mice to ankylosing enthesopathy *S Weinreich, J Capkova, B Hoebe-Hewryk, C Boog, P Ivanyi*
Letters to the editor
 648 Behcet disease: advantageous against development of neoplasia? *İ Celik, İ Barışta, G Tekuzman, E Kansu, S Khras, M Çalgınler*
 648 Parvovirus B19 and acute joint swelling in rheumatoid arthritis patients *J R Kerr, W P Ferguson, S A McMillan, I N Bruce, A L Bell*
 649 Down syndrome with coexistent gout: report of six patients and possible reasons for the scarcity of descriptions of this association *N Kamatani, H Yamanaka, S Totsukawa, S Kashiwazaki, M Higurashi*
Supplement
 651 Workshop on Epidemiology of osteoarthritis in the peripheral joints, Örenäs, Sweden, February 1996
 651 Introduction *A Silman*
 625 Definition of hip osteoarthritis for epidemiological studies *M C Nevitt*
 656 Definitions of osteoarthritis in the knee and hand *L T H Jacobsson*
 659 Occurrence of osteoarthritis of the peripheral joints in European populations *I F Petersson*
 661 Occurrence of osteoarthritis outside Europe *P Croft*
 665 Genetics of osteoarthritis *F M Cucutini, T D Spector*
 668 Does excess weight cause osteoarthritis and if so why? *D T Felson*
 671 Obstetric and gynaecological factors in susceptibility to peripheral joint osteoarthritis *A J Silman, J Newman*
 673 Sex hormones and the risk of osteoarthritis in women: epidemiological evidence *M C Nevitt, D T Felson*
 677 Osteoarthritis of the knee and physical load from occupation *E Vingård*
 680 Occupational activity and the risk of hip osteoarthritis *C Cooper, L Campbell, P Byng, P Croft, D Coggon*
 682 Physical activity at leisure and risk of osteoarthritis *N E Lane*
 685 Prognosis of osteoarthritis *M C Hochberg*
 689 Abstracts

No 10 OCTOBER 1996

Leaders
 695 Microscopic analysis of synovial fluid—the perfect diagnostic test? *A J Freemont*
 697 Surfing for rheumatologists—a guide to rheumatology resources on the Worldwide Web *N J Goulding*

Review

700 Current and potential future drug treatments for osteoporosis *S Patel*
715 Review: Pain
715 Novel pharmacological strategies for analgesia *M Perkins, A Dray*
723 Now and Then
723 Antinuclear antibody determination in a routine laboratory *T E W Feltkamp*
728 Lesson of the Month
728 An uncommon cause of finger drop in a patient with rheumatoid arthritis *S P McDonald, M D Smith*
731 Notes/News
731 Forthcoming events
Book review
732 The vasculitides: science and practice
Extended reports
733 Purine enzyme activities in recent onset rheumatoid arthritis: are there differences between patients and healthy controls? *J N Stolk, A M Th Boerbooms, R A De Abreu, P J S M Kerstens, D G M de Koning, R de Graaf, J Mulder, L B A van de Putte*
739 Effect of recombinant human erythropoietin on anaemia and disease activity in patients with rheumatoid arthritis and anaemia of chronic disease: a randomised placebo controlled double blind 52 weeks clinical trial *H R M Peeters, M Jongen-Lavrenic, G Vreugdenhil, A J G Swaak*
745 Increased circulating nerve growth factor is directly correlated with disease activity in juvenile chronic arthritis *F Falcini, M Matucci Cerinic, A Lombardi, S Generini, A Pignone, P Tirassa, M Ermini, L Lepore, G Partsch, L Aloe*
749 Fractal signature analysis measures cancellous bone organisation in macroradiographs of patients with knee osteoarthritis *J C Buckland-Wright, J A Lynch, D G Macfarlane*
756 Further validation of the BILAG disease activity index in patients with systemic lupus erythematosus *T Stoll, G Stucki, J Malik, S Pyke, D A Isenberg*
761 Safety and efficacy of recombinant γ interferon in the treatment of systemic sclerosis *P G Vlachoyiannopoulos, N Tsifetaki, I Dimitriou, D Galaris, S A Papiris, H M Moutsopoulos*
Concise reports
769 Minocycline induced arthritis associated with fever, livedo reticularis, and pANCA *O Elkayam, M Yaron, D Caspi*
772 Influence of interleukin 1 β on tenascin distribution in human normal and osteoarthritic cartilage: a quantitative immunohistochemical study *X Chevalier, P Claudepierre, N Groult, G-J Godeau*
776 Association of complement alleles C4AQ0 and C4B5 with rheumatoid arthritis in Koreans *M H Park, M-D Oh, Y W Song, H J Pai, F Takeuchi, K Tokunaga, G H Hong, K S Park*
Letters to the editor
779 Autologous haemopoietic stem cell transplantation in a patient with severe pulmonary hypertension complicating connective tissue disease *M Tamm, A Gratwohl, A Tichelli, A P Perruchoud, A Tyndall*
780 The association between fibromyalgia and carpal tunnel syndrome in the general population *M Gimmino, M Parisi, G Moggiana, S Accardo*
Correction
780 Torre *et al*

No 11 NOVEMBER 1996

Leader

781 Combination DMARD therapy for rheumatoid arthritis: a step closer to the goal *J R O'Dell*
783 The misconduct of redundant publication *M Doherty*
Lesson of the month
786 Ulnar deviation is not always rheumatoid *M Zuber, C Braun, M Pfreundschuh, W Püschel*
Case studies in diagnostic imaging
789 Back pain in childhood *P N M Tyrrell, V N Cassar-Pullicino, S M Eisenstein, J F Monach, A J Darby, I W McCall*
Notes/News
794 Notice of redundant publication • Forthcoming events
Book reviews
796 ABC of rheumatology • Operative arthroscopy • Advances in experimental medicine and biology
Extended reports
798 Comparison of high and low intensity training in well controlled rheumatoid arthritis. Results of a randomised clinical trial *C H M van den Ende, J M W Hazes, S le Cessie, W J Mulder, D G Belfor, F C Breedveld, B A C Dijkman*
806 Relation between heel position and the distribution of forefoot plantar pressures and skin calllosities in rheumatoid arthritis *J Woodburn, P S Hellier*
811 Androgens as adjuvant treatment in postmenopausal female patients with rheumatoid arthritis *A Booij, C M Biewenga-Bocij, O Huber-Bruning, C Cornelis, J W G Jacobs, J W J Bijlsma*
816 Human osteoclast formation and bone resorption by monocytes and synovial macrophages in rheumatoid arthritis *Y Fujikawa, A Sabokbar, S Neale, N A Athanasou*
823 *Staphylococcus aureus* nasal carriage in rheumatoid arthritis: antibody response to toxic shock syndrome toxin-1 *D Tabary, W L Hoffman*
Concise reports
829 Intra-articular corticosteroids are effective in osteoarthritis but there are no clinical predictors of response *A Jones, M Doherty*

833 An open study of pentoxyfylline and thalidomide as adjuvant therapy in the treatment of rheumatoid arthritis *T W J Huizinga, B A C Dijkmans, E A van der Velde, T C T M van de Pouw Kraan, C L Verweij, F C Breedveld*

837 Glutathione reductase activity, riboflavin status, and disease activity in rheumatoid arthritis *D M Mulherin, D I Thurnham, R Deva Situnayake*

841 Thrombin receptor expression in rheumatoid and osteoarthritic synovial tissue *R Morris, P G Winyard, L F Brass, D R Blake, C J Morris*

844 Quantitation of IL-2Rp75 (CD122) expression on mononuclear cells in rheumatic disease *P Creamer, N D Hall*

848 Prospective study of the clinical value of determining circulating IgA- α_1 -antitrypsin complex using a prototype ELISA kit in patients with rheumatoid arthritis *K Iwana, S Aotsuka, K Nishioka*

852 Serum soluble interleukin-2 receptor levels in familial Mediterranean fever *E Erken, R Güneşçar, S Özbeş, K Konca*

Letters to the editor

856 Magnetic resonance imaging: a useful technique in the diagnosis and follow up of focal myositis *C Moreno-Lugrís, A González-Gay, A Sánchez-Andrade, R Blanco, D Basanta, D Ibañez, J Pulpeiro*

857 Sequential study of bone mineral density in patients with systemic lupus erythematosus *F Formiga, J M Nolla, I Moga, D Roig-Escofet*

Matters arising

857 Unilateral Heberden's nodes in a case of Erb-Duchenne paralysis *L Zorzin, M L Sorgi, G Palombi*

858 Camptocormia or cormoptosis? The etymology of the word *D Karras, J Vassilakos, D Kassimos*

No 12 DECEMBER 1996

Leader

859 The epidemiology of pain: the more you have, the more you get *P Croft*

861 How vigorously should we exercise our rheumatoid arthritis patients? *J M W Hazes, C H M van den Ende*

Case studies in diagnostic imaging

863 Hypertrophic osteoarthropathy following aortic surgery *F Dellestable, P Pérez, D Régent, A Gaucher*

Notes/News

868 Notices • Forthcoming Events • Impact factor

Extended reports

870 Relation between insulin-like growth factor-I concentrations, osteoarthritis, bone density, and fractures in the general population: the Chingford study *M E Lloyd, D J Hart, D Nandra, T E McAlindon, M Wheeler, D V Doyle, T D Spector*

875 Assessing progression of patellofemoral osteoarthritis: a comparison between two radiographic methods *P Lanyon, A Jones, M Doherty*

880 Effect of sustained loading on the water content of intervertebral discs: implications for disc metabolism *D W McMillan, G Garbutt, M A Adams*

888 Complement in acute and chronic arthritides: assessment of C3c, C9, and protectin (CD59) in synovial membrane *Y T Konttinen, A Ceponis, S Meri, A Vuorikoski, P Kortekangas, T Sorsa, A Sukura, S Santavirta*

895 Annexin V autoantibodies in rheumatoid arthritis *M I Rodriguez-García, J A Fernández, A Rodriguez, M P Fernández, C Gutierrez, J C Torre-Alonso*

901 Development of a functional scoring system for rheumatoid arthritis patients with cervical myelopathy *A T H Casey, J Martin Bland, H Alan Crookard*

907 Shoulder capsulitis in type I and II diabetic patients: association with diabetic complications and related diseases *P E T Arkkila, I M Kantola, J S A Viikari, T Rönnemaa*

915 Hydroxyl radical generation by rheumatoid blood and knee joint synovial fluid *H Kaur, S E Edmonds, D R Blake, B Halliwell*

Concise report

921 Enthesopathy and tendinopathy in gout: computed tomographic assessment *J-C Gerster, M Landry, G Rappoport, G Rivier, B Duvoisin, P Schnyder*

924 Polymorphisms of the TAP1 and TAP2 transporter genes in Japanese SLE *F Takeuchi, K Nakano, H Nabeta, G H Hong, S Kuwata, K Ito*

927 Von Willebrand factor in the outcome of temporal arteritis *M C Cid, J Monteagudo, J Oristrell, J Vilaseca, L Pallarés, R Cervera, C Font, J Font, M Ingelmo, A Urbano-Márquez*

931 Screening for pain in knee osteoarthritis: which question? *S C O'Reilly, K R Muir, M Doherty*

Matters arising

934 Relation between fractional urate excretion and serum triglyceride concentrations *C P Quaratino, C Rucci, A Giacomello*

934 Should patients with recent onset of rheumatoid arthritis be offered genetic screening? *P Emery, M Salmon, J Gooi, D Symmons, W Ollier, P Brennan, A Silman*

Letters to the editor

935 Serum and synovial fluid levels of interleukin-5 in a patient with eosinophilic fasciitis *K Nishiya, N Tanimoto, K Hashimoto, M Hashizume, A Tominaga*

936 Incidence of hepatitis induced by non-steroidal anti-inflammatory drugs (NSAID) *P Trechot, P Gillet, G Gay, B Hanesse, P Netter, A Castot, D Larrey*

937 **Author index**

940 **Subject index**

